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FILE UNDER
A. I. A. FILE 31F
ILLUMINATION

ARCHITECTURAL DETAIL PLATES

PLATE 68

St's. Peter and Paul Church
Chattanooga, Tenn.
Direct-Indirect Lighting with
X-Ray Reflectors



Curtis Lighting, Inc.

New York

CHICAGO

Los Angeles

THIS IS ONE OF A SERIES ISSUED IN 1926

FILE UNDER
A. I. A. FILE 31F
ILLUMINATION

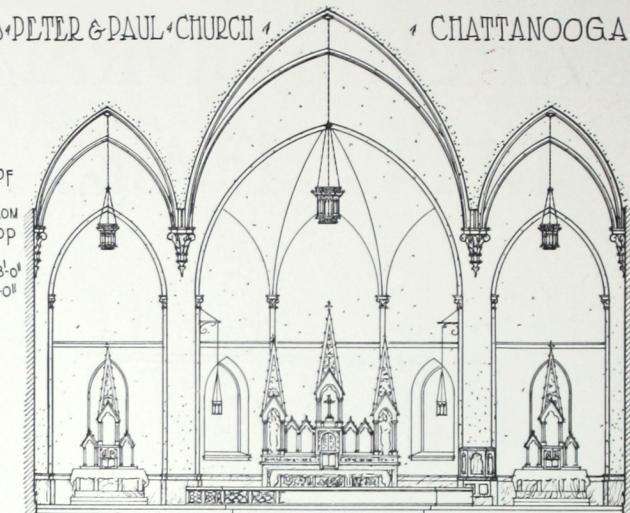
ENGINEERED ILLUMINATION FOR CHURCH AUDITORIUM

ST'S PETER & PAUL CHURCH

CHATTANOOGA, TENN.

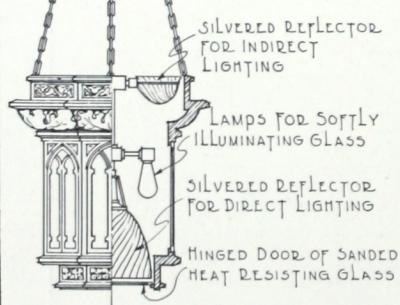
SUSPENSION OF
LUMINAires
MEASURED FROM
CANOPY TO TOP
OF LANTERN
CENTER BAY 18'-0"
SIDE BAYS 11'-0"

LANTERNS
SUPPORTED BY
WORM GEAR
WINCH LOCATED
ABOVE CEILING
OF AUDITORIUM



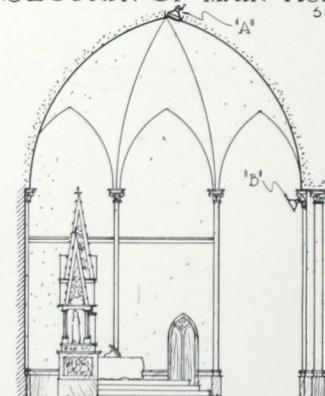
CROSS SECTION OF MAIN AUDITORIUM

SCALE 1/16" = 1'-0"



SCALE 1/2" = 1'-0"

GENERAL NOTES
CENTER BAY 3 LANTERNS
DIAMETER 36" HEIGHT 36"
REFLECTOR EQUIPMENT
INDIRECT LIGHTING 4-150 WATT
DIRECT LIGHTING 1-1000 WATT
SIDE BAYS 8 LANTERNS
DIAMETER 22" HEIGHT 22"
REFLECTOR EQUIPMENT
INDIRECT LIGHTING 3-150 WATT
DIRECT LIGHTING 1-200 WATT



SCALE 1/16" = 1'-0"

DETAIL OF LANTERN

FLOODLIGHTS
FOR ILLUMINATING
ALTER

A' 1-500 WATT
X-RAY #88

B' 3-200 WATT
X-RAY #33

AUDITORIUM AREA
8040 SQ.FT.

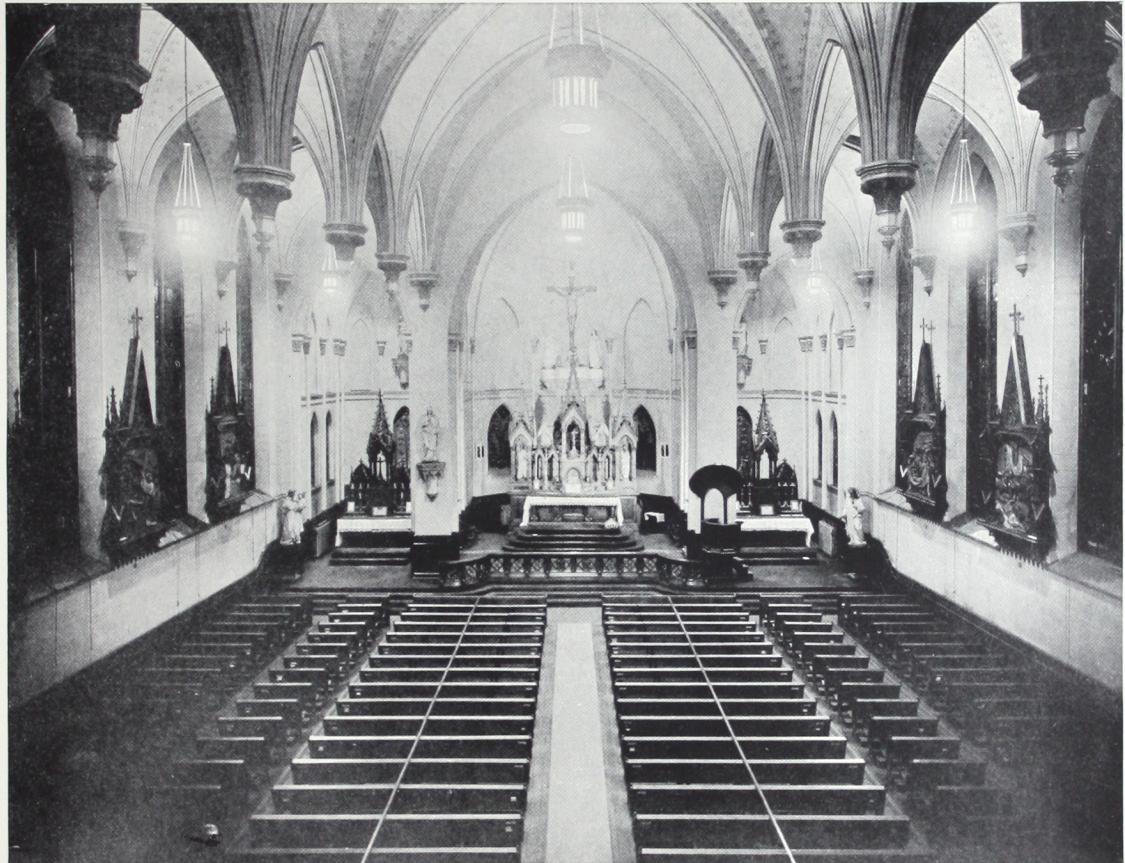
HEIGHT
CENTER BAY
SOFT
SIDE DAYS
41 FT



PLAN OF AUDITORIUM SHOWING LOCATION OF LUMINAires

SCALE 1/32" = 1'-0"

EYE COMFORT LIGHTING IDEAL FOR CHURCH DIRECT INDIRECT LUMINAIRES IN STS. PETER & PAUL AUDITORIUM



The architectural beauty of this church is emphasized by the clear indirect light that brings out every detail.

Combining Beauty with Scientific Design

The treatment of the illumination of the Saints' Peter and Paul Church, from both an artistic and a practical standpoint, presents some rather unusual and worthwhile features.

A combination of direct and indirect lighting emanating from beautifully executed lanterns of Gothic design, makes this Chattanooga church one of the most effectively illuminated auditoriums in the country. Although a strong direct light from overhead makes the reading of prayer books and hymnals very easy, the

glare factor has been largely eliminated by concealing the powerful lamps in deep Beehive reflectors which hide the light-source from all eyes not gazing directly up into them.

The largest part of the light from these lanterns, however, is produced by another set of lamps and large X-Ray reflectors that throw a well diffused indirect light on the ceiling from which it is spread evenly over the entire room. Eye-strain has been practically eliminated by this unique method of lighting.

CURTIS LIGHTING is—lighting from concealed sources—indirect illumination—eye comfort—the elimination of glare. *It's all in the X-Ray Reflector!* You'll find it everywhere!

Present your lighting problems to us—any kind, any place, any time.

Baltimore, 506 Maryland Trust Bldg.....T. H. Bailey, Jr.
Boston, 146 Summer St.....Karl Anton Piez
Cincinnati, 515 Keith Bldg.....J. W. Morrison
Cleveland, 750 Prospect Ave.....H. L. Wright
Dallas, 805 Republic Bank Bldg.....F. H. Simmer
Denver, 209 Ideal Bldg.....R. D. Thomas
Detroit, 400 Penobscot Bldg.....I. M. Kirlin
Kansas City, 310 Reliance Bldg.....H. B. Wheeler
Memphis, 205 Builders' Exchange.....H. O. Bourkard
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Minneapolis, 314 Third Avenue, South.....Harry S. Davis
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Vancouver.....Chas. T. Boyd
Winnipeg.....Harry S. Davis

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